

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-140285

(43)Date of publication of application : 03.06.1997

(51)Int.Cl.

A01H 1/00

(21)Application number : 07-328025

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(22)Date of filing : 21.11.1995

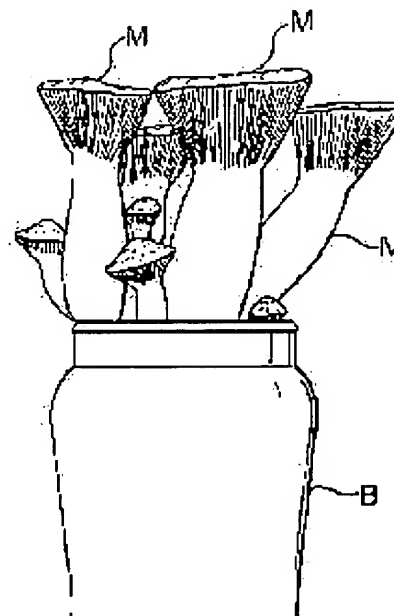
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(54) PREPARATION OF NEW STRAIN AND CULTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To prepare a new strain of *Pleurotus eryngii*, to extremely reduce damping-off phenomena of a germinated fruit body, to improve quality and yield of fungus and to shorten a culture cycle by mating a first *Pleurotus eryngii* with a second *Pleurotus eryngii* under a specific condition.

SOLUTION: A first *Pleurotus eryngii* (FERM P-15,292) containing <20wt.% trehalose in a dry state and having an incompatible factor A1B1A2B2 is mated with a second *Pleurotus eryngii* (FERM P-15,293) containing ≥20% trehalose in a dry state and having incompatible factor A3B3A4B4 to prepare a new strain of *Pleurotus eryngii* having A1B1A3B3, etc., as an incompatible factor. The new strain is inoculated into a mushroom medium obtained by blending ground corn cob with a nutrient material, culturing, germinating and growing the new strain to preferably cultivate a mushroom M of the genus *Pleurotus*.



LEGAL STATUS

[Date of request for examination] 21.11.1995

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 2881293

[Date of registration] 05.02.1999

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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